MODIS sensor Working Group (MsWG) Meeting Summary August 10, 2005

Attendance: Bill Barnes, Stuart Biggar, Nianzeng Che, Vincent Chiang, Gene Eplee, Gerhard Meister, Chris Moeller, Junqiang Sun, Eric Vermote, Zhengming Wan, Aisheng Wu, Xiaobo Xie, Jack Xiong

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Scheduled Agenda

Item 1: Recent L1B LUT delivery

- Aqua collection 5 forward update – V5.0.7.4 (July 19) to DAAC.
- Terra collection 4 forward update – V4.3.0.31 (August 4) to DAAC.
- Terra collection 5 forward update – V5.0.6.7 (August 5) to DAAC.

JX1) Collection 4 LUT will still be delivered until about October this year.
JX2) PIP meeting requests the official releases of Aqua L1 products to public.
JX3) Bob (NRL) requests special Bands 1 and 2 de-striping for their interest in Oceans products. MCST will deliver a special LUT to Ocean group that would average the noisy detectors in B1, 2 using adjacent detectors.

Item 2: Instrument status

- Terra and Aqua MODIS are in normal operations.
- Aqua data loss event due to SSR overflow on day 2005202, causing MODIS and AIRS data loss for about 1min each (02:41-02:42).

Around the Table

Participant: **Gerhard Meister** (Oceans) – We completed Ocean Color reprocess up to L3 using same de-striping correction for B8-16. The m1 adjustment coefficient (derived from L1B TOA) is about 0.5-1%, similar to that from derived from the lunar data set for unsaturated bands. Go to Ocean Color web site data process to see the improvement.

Participant: **Eric Vermote** (Land) – I plan to work on polarization analysis more over to the land target. There is sun-glint problem for polarization over the ocean.

Participant: **Stuart Biggar** (Validation) – On the support for Ocean Color comparison, possible in 413 nm region, but not the longer wavelength.

Participant: **Chris Moeller** (Atmosphere) – On the LWIR MODIS/AIRS comparison. The out-of-band data quality is poor for LWIR bands. It's hard to decide if OOB is causing any problem. Do we have additional out-of-band data? Can I get the RSR uncertainty?
Jack Xiong – We don't have other data set. Nianzeng Che can provide you the estimated uncertainty on RSR, mainly coming from the SpMA, like its accuracy and repeatability.

Participant: **Jack Xiong** (MCST) – A question for Chris on the TEB calibration using warm-up or cool-down data set. We have discussed this long time ago and used the warm-up data. The cool-down coefficients would produce different results mainly for LWIR bands. I can talk to you at CALCON about how to improve it for collection 6. I have another request for Chris and Eric for providing me 1 or 2 pages summary on the SWIR on-orbit performance (Terra and Aqua.) This is for my SWIR presentation at CALCON, which will be in two weeks.

Participant: **Bill Barnes** – On the chapter document issue.

Next MsWG meeting scheduled on August 31, 2005